SERIAL NO- 57

OFFICE OF THE EXECUTIVE ENGINEER
JAL NIGAM YANTRIK KHAND
U.P. JAL NIGAM MEERUT

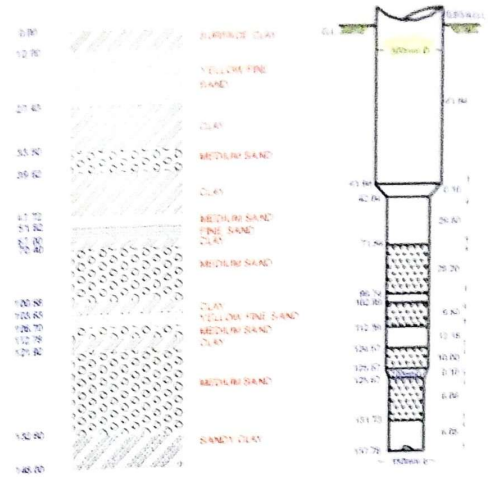
COMPLETION PLAN OF TUBEWELL

(YEAR - 2013-2014)

NAME OF SCHEME - KUTESRA W/S SCHEME MUZAFFARNAGAR
TOTAL NO. OF TUBE WELL PROVIDED IN THE SCHEME - 2 NOS
LOCATION OF TUBE WELL - 1st NEAR PRIMARY SCHOOL
NAME OF CONTRACTOR - M/S PIONEER DRILLING CO. GZB

SPRING WATER LEVEL IN MTRS - 6.50 M
SIZE OF BORE - 675 X 550 MM
DATE OF COMPLETION OF T/W - 05.03.2014

DEPTH B.GL METER | BORING PRESENTATION | LITHOLOGICAL LOGS | EXECUTED ASSEMBLY | ABSTRACT



ABSTRACT

1	DRILLING STARTED ON	12.01.2014
2	DRILLING COMPLETED ON	18.01.2014
3	LOWERING ON	21.01.2014
4	DRILLING DEPTH	148.00 M
5	350 MM DIA HOUSING PIPE	42.71 M
6.1	250X200 MM DIA REDU. CBS	0.10 M
6.2	200X150 MM DIA REDU. CBS	0.10 M
7.1	200 MM DIA BLIND PIPE	45.80 M
7.2	150 MM DIA BLIND PIPE	6.00 M
8.1	200 MM DIA SLOTTED PIPE	52.78 M
8.2	150 MM DIA SLOTTED PIPE	6.00 M
9	DISCHARGE BY COMPRESSOR	2358 L.P.M
10	DISCHARGE BY O.P UNIT	2400 L.P.M
11	PUMPING PLANT -	
	MAKE -	K.S.B
	DISCHARGE -	2400 LPM
	HEAD -	46 M
	H.P. -	41 N.P
	COLUMN PIPES -	150 MM DIA X 33 M

YIELD TEST OF T/W BY COMPRESSOR

DATE OF TEST - 26.02.2014 | STATIC W/L - 12.19 M | TASTE OF WATER - SWEET

DISCHARGE BY V.NOTCH | SAND CONTENTS IN PPM | REMARKS

Height Of Water	Discharge in Lpm	starting	After 5 min	After 10 min	After 15 min	After 30 min	After 60min
9.5"	2358	800	500	250	100	Tr.	CL.

YIELD TEST OF T/W BY O.P UNIT

(As Per IS - 2800)

DATE OF TEST - 05.03.2014 | STATIC W/L - 12.19 M | TASTE OF WATER - SWEET

SAND CONTENTS IN P.P.M

ORIFIE TUBE HEIGHT IN INCH	DISCHARGE IN L.P.M	SWL IN Mts.	RWL IN Mts.	DEPRESSION IN L.P.M	STARTING	After 5 MIN	After 10 MIN	After 15 MIN	After 20 MIN	After 30 MIN	RECOMMENDATIONS
10"	2148	12.19	14.99	2.80	CL.	CL.	CL.	CL.	CL.	CL.	Recommended discharge 2400 LPM at 3.00 Mt. depression
15"	2407	12.19	15.39	3.20	Tr.	CL.	CL.	CL.	CL.	CL.	Pump should be run in bypass for 5 minutes before supply of water in rising main
30"	3245	12.19	15.89	3.70	50	Tr.	CL.	CL.	CL.	CL.	
40"	3705	12.19	16.19	4.00	100	50	Tr.	CL.	CL.	CL.	
45"	4038	12.19	16.59	4.40	200	100	50	Tr.	CL.	CL.	

CHEMICAL TEST REPORT

(As Per IS - 10500)

AGENCY - EE 1st DIV U.P. Jal Nigam Mrt.

DATE OF TEST - 17.03.2014

S. NO	SUBSTANCE OR CHARACTERISTIC	LIMIT DESIRABLE	LIMIT MAX	ACTUAL	S. NO	SUBSTANCE OR CHARACTERISTIC	LIMIT DESIRABLE	LIMIT MAX	ACTUAL
1	Colour Hazen Unit	5	25		9	Dissolved solids mg/l	500	2000	210
2	Turbidity NTU	5	10		10	Calcium as(Ca) mg/l	75	200	
3	PH value	6.5 to 8.5	No Relaxation	08.0	11	Magnesium as (Mn) mg/l	30	100	
4	Total Hardness as (caco$_3$) mg/l	300	600	178	12	Copper as (Cu) mg/l	0.05	1.5	
5	Iron as (Fe) mg/l	0.3	1.00	0.1	13	Sulphate as (SO$_4$) mg/l	200	400	
6	Chlorides as (Cl) mg/l	250	1000	24	14	Nitrate as(NO$_3$) mg/l	45	100	
7	Residual Free Chlorine mg/l	0.2			15	Alkalinity mg/l	200	600	206
8	Fluoride as (F) mg/l	1.0	1.5						

Note - All dimensions are in metres

J.E | A.E | E.E